

# **YAMAHA** **PORTATONE** **PSR-215**



**Owner's Manual**

# SPECIAL MESSAGE SECTION

This product utilizes batteries or an external power supply (adapter). DO NOT connect this product to any power supply or adapter other than one described in the manual, on the name plate, or specifically recommended by Yamaha.

This product should be used only with the components supplied or; a cart, rack, or stand that is recommended by Yamaha. If a cart, etc., is used, please observe all safety markings and instructions that accompany the accessory product.

## SPECIFICATIONS SUBJECT TO CHANGE:

The information contained in this manual is believed to be correct at the time of printing. However, Yamaha reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

This product, either alone or in combination with an amplifier and headphones or speaker/s, may be capable of producing sound levels that could cause permanent hearing loss. DO NOT operate for long periods of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist. IMPORTANT: The louder the sound, the shorter the time period before damage occurs.

## NOTICE:

Service charges incurred due to a lack of knowledge relating to how a function or effect works (when the unit is operating as designed) are not covered by the manufacturer's warranty, and are therefore the owner's responsibility. Please study this manual carefully and consult your dealer before requesting service.

## ENVIRONMENTAL ISSUES:

Yamaha strives to produce products that are both user safe and environmentally friendly. We sincerely believe that our products and the production methods used to produce them, meet these goals. In keeping with both the letter and the spirit of the law, we want you to be aware of the following:

### Battery Notice:

The product MAY contain a small non-rechargeable battery which (if applicable) is soldered in place. The average life span of this type of battery is approximately five years. When replacement becomes necessary, contact a qualified service representative to perform the replacement.

This product may also use "household" type batteries. Some of these may be rechargeable. Make sure that the battery being charged is a rechargeable type and that the charger is intended for the battery being charged.

When installing batteries, do not mix old batteries with new, or with batteries of a different type. Batteries MUST be installed correctly. Mismatches or incorrect installation may result in overheating and battery case rupture.

### Warning:

Do not attempt to disassemble, or incinerate any battery. Keep all batteries away from children. Dispose of used batteries promptly and as regulated by the laws in your area. Note: Check with any retailer of household type batteries in your area for battery disposal information.

### Disposal Notice:

Should this product become damaged beyond repair, or for some reason its useful life is considered to be at an end, please observe all local, state, and federal regulations that relate to the disposal of products that contain lead, batteries, plastics, etc. If your dealer is unable to assist you, please contact Yamaha directly.

## NAME PLATE LOCATION:

The name plate is located on the bottom of the product. The model number, serial number, power requirements, etc., are located on this plate. You should record the model number, serial number, and the date of purchase in the spaces provided below and retain this manual as a permanent record of your purchase.

Model \_\_\_\_\_

Serial No. \_\_\_\_\_

Purchase Date \_\_\_\_\_

# PLEASE KEEP THIS MANUAL

## FCC INFORMATION

### IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

### IMPORTANT:

When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

### NOTE:

This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and,

if not installed and used according to the instructions found in the user's manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

- Relocate either this product or the device that is being affected by the interference.
- Utilize power outlets that are on different branches (circuit breaker or fuse) circuits or install AC line filter/s.
- In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA90620

- This applies only to products distributed by Yamaha Corporation of America.

# Welcome to Yamaha PortaTone PSR-215

Congratulations! You are now the proud owner of a powerful new musical instrument capable of inspiring and fueling your musical creativity. This is not just another keyboard. The PortaTone keyboard is the result of passion, vision, and commitment from people who want you to enjoy yourself every time you play the PortaTone. We're sure you'll agree as you discover the limitless possibilities of your new keyboard!

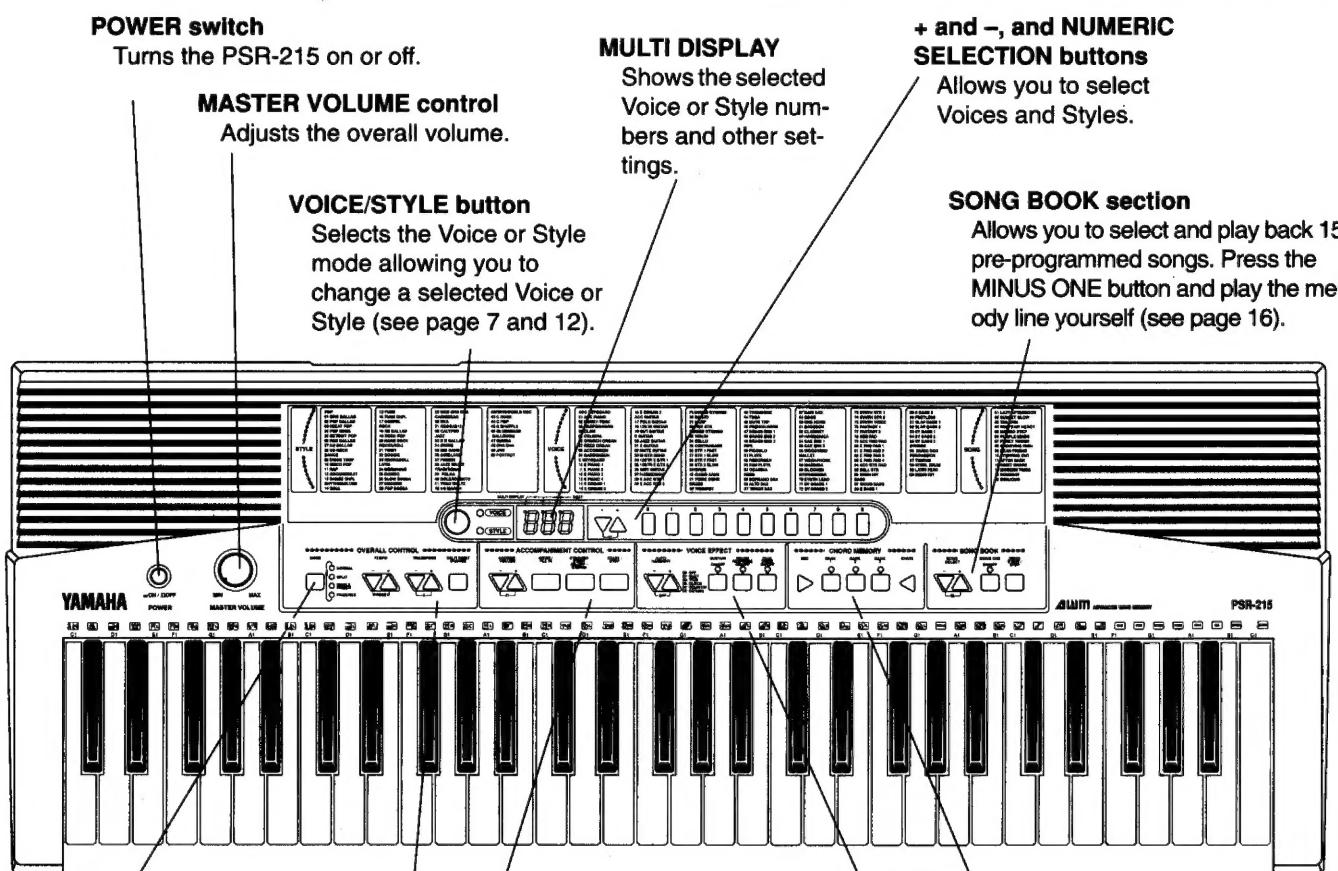
## Regarding this Manual

Just as we have taken many hours perfecting this keyboard, we would like to ask you to take some time and read this manual thoroughly. This manual describes the functions and features of your new keyboard and it contains important warnings, installation instructions, and safety information. Please be sure to keep this manual for future reference.

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# The PSR-215 at a glance



## POWER switch

Turns the PSR-215 on or off.

## MASTER VOLUME control

Adjusts the overall volume.

## MULTI DISPLAY

Shows the selected Voice or Style numbers and other settings.

## + and -, and NUMERIC SELECTION buttons

Allows you to select Voices and Styles.

## SONG BOOK section

Allows you to select and play back 15 pre-programmed songs. Press the MINUS ONE button and play the melody line yourself (see page 16).

## MODE button

Selects Normal, Split, Single Finger, or Fingered mode. This determines the way you play your keyboard (see page 10 and 12).

## ACCOMPANIMENT CONTROL section

Controls volume, intro and start, stop and ending, and fill-in of a selected Accompaniment Style (see page 12).

## CHORD MEMORY section

Makes it possible to record, play back three sequences, and to chain them together in an eight step sequence (see page 17).

## OVERALL CONTROL section

### TEMPO buttons

Controls the tempo of the Accompaniment, Song Book, and Chord Memory (see page 14).

### TRANSPOSE buttons

Transposes the pitch of the keyboard up or down in semitone intervals (see page 11).

### SPLIT POINT CHANGE button

Changes the Split Point location (see page 10).

## VOICE EFFECT section

Controls the Auto Harmony, Sustain, Touch Response, and Dual Voice aspects of the voices generated when the keyboard is played (see pages 8 through 9).

## HEADPHONES/AUX OUT jack

Connects your keyboard to a sound output device, such as a pair of headphones or an amplifier.

## Rear Panel



## SUSTAIN jack

Connects a sustain pedal, such as the Yamaha FC4 or FC5.

## DC IN jack

Connects a power adaptor, such as the Yamaha PA-3, PA-4, or PA-40.

# Setting Up

Once you've unpacked your PortaTone and connected a power adaptor or inserted batteries, it is ready to use. This part will guide you step by step through the process of actually setting up your PortaTone.

Before you begin setting up your PortaTone, and before connecting other equipment to it, always make sure that all equipment is turned off.

## Taking Care of Your PortaTone

You're almost ready to set up your PortaTone, but before you begin, first read these important safety instructions. For your safety and the protection of your equipment always follow these precautions.

### Location

- Avoid exposure to direct sunlight.
- Do not place your PortaTone in places subject to extreme heat; for example: inside a car, near a window, or near a heater.
- Do not place your PortaTone in places subject to extreme moisture; for example: near an air conditioner or inside a bathroom.

### Interference from Electromagnetic Fields

- Do not use your PortaTone close to television sets, radios, or similar equipment since this may cause interference noise in the other appliance.

### Handling

- Protect your PortaTone from strong impact. Be careful not to drop it or place heavy objects on top of it. Avoid applying excessive force to the controls, keys, and connections.

### When not Using the PortaTone

- After use, always turn off the POWER switch. When not using your PortaTone for a long time, remove the batteries to avoid damage through battery leakage.

### When Using a Power Adaptor

- Disconnect the power adaptor from the outlet under these conditions:
  - If the power cord is damaged
  - If any liquid is spilled on the PortaTone
  - If there is a threat of lightning
- Always disconnect the PortaTone's power adaptor by pulling the plug only. Do not pull the cord.
- If you use an extension cord or power strip, do not exceed its power rating.

### Cleaning

- Clean the exterior with a soft, dry cloth. To remove stubborn stains, use a slightly moistened cloth.
- Never use alcohol, thinner or other chemical solvent since they will damage the finish. Also do not leave any plastic material on your PortaTone for a long time, since it may adhere to the exterior.

### Service

- Your PortaTone has no user-serviceable parts. Refer any problems to your Yamaha dealer or service center.

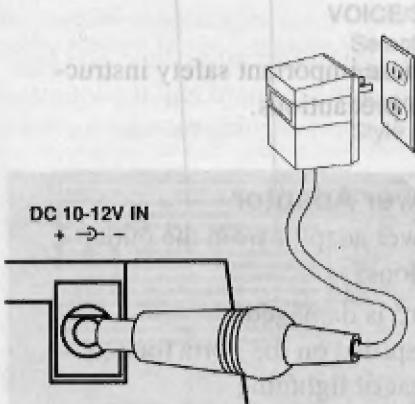
**YAMAHA is NOT responsible for damage caused by improper use.**

## Supplying Power to your Keyboard

Your PSR-215 will run either from an optional power adaptor or batteries. Follow the instructions below according to the power source you intend to use.

### Connecting a Power Adaptor

The PSR-215 can be powered from an optional power adaptor. To connect a power adaptor follow the steps below.



#### ▼ To connect a power adaptor:

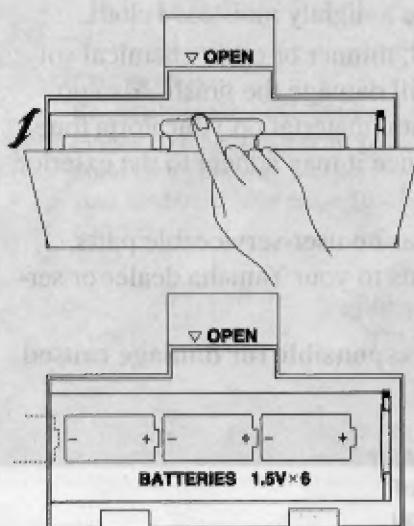
1. Make sure that the **POWER** switch of the keyboard is turned off, and that the power adaptor is not plugged into a wall outlet or power strip.
2. Plug the power adaptor's DC IN plug into the DC IN jack at the rear of the PSR-215.
3. Plug the power adaptor into a wall outlet or power strip.

#### Warning:

Use **ONLY** a Yamaha PA-3, PA-4, or PA-40 AC Power Adaptor to power your instrument from the AC mains. Other adaptors may cause serious damage to your PSR-215, and your power adaptor.

## Inserting Batteries

The PSR-215 can also be powered from six 1.5V D size (SUM-1 or R-20) or equivalent batteries.



#### ▼ To insert batteries:

1. Make sure that the **POWER** switch is turned off.
2. Open the battery compartment cover located on the keyboard's bottom panel.
3. Insert the six batteries, being careful to follow the polarity markings on the cabinet.
4. Replace the compartment cover, making sure that it locks firmly in place.

No power will be drawn from the batteries when a power adaptor is used.

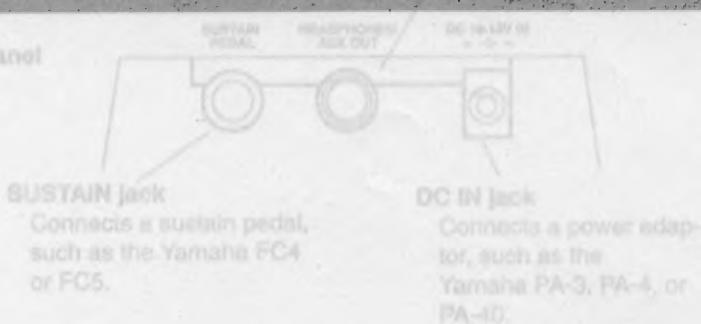
#### Warnings:

When the batteries run down the sound of your PortaTone may be distorted. Replace them with a complete set of six new batteries. NEVER mix old and new batteries together.

Do not use different kinds of batteries at the same time.

During battery replacement the PSR-215 memory will be backed up for approximately 1 minute. If the batteries are removed for a longer period, the keyboard will revert to its default factory settings.

Rear Panel

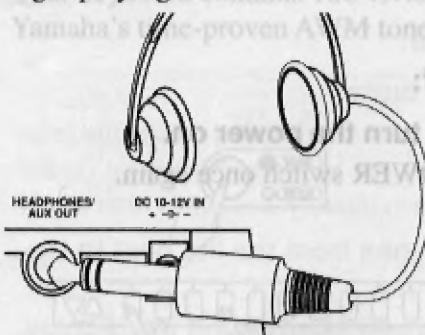


**BURSTAN** jack  
Connects a sustain pedal, such as the Yamaha FC4 or FC5.

**DC IN** jack  
Connects a power adaptor, such as the Yamaha PA-3, PA-4, or PA-40.

## Connecting Headphones

A standard pair of stereo headphones, such as Yamaha's HPE-3, can be plugged in for private practice or late-night playing.



### ▼ To connect headphones:

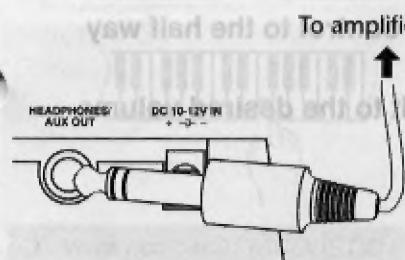
Connect the headphones' standard stereo phone plug into the HEADPHONES/AUX OUT jack at the rear of your PSR-215.

*The internal speaker system is automatically shut off when a pair of headphones is plugged into the HEADPHONES/AUX OUT jack.*

2. Choose one of the 100 voices from the VOICE list on the panel.
3. Enter the voice number using the NUMERIC SELECTION buttons.

## Connecting an Amplifier

The HEADPHONES/AUX OUT jack can also be used for outputting the sound of the PSR-215 to a keyboard amplifier, stereo sound system, mixing console or tape recorder.

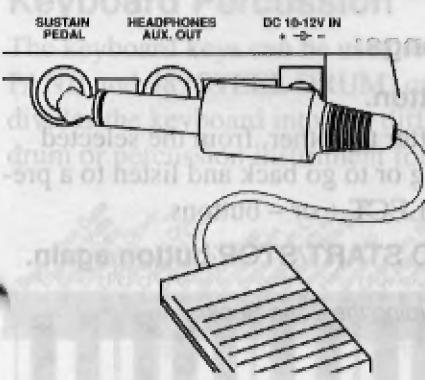


### ▼ To connect an amplifier:

Plug the cable from the amplifier's input jack into the HEADPHONES/AUX OUT jack at the rear of your PSR-215.

## Connecting a Foot Pedal

A connected foot pedal can be used to function as a damper pedal controlling sustain.



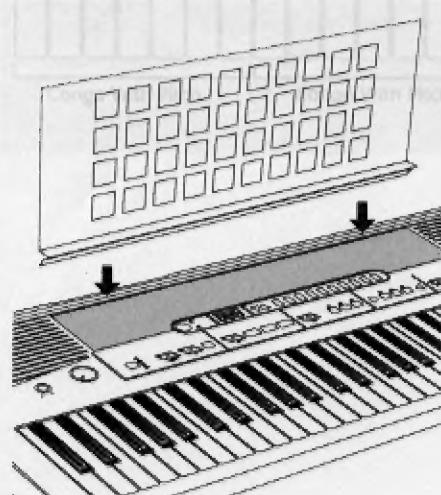
### ▼ To connect a foot pedal:

Connect the foot pedal's plug into the SUSTAIN PEDAL jack at the rear of your PSR-215.

Holding the pedal down sustains the notes you play on the keyboard after you release the keys.

*Make sure that the PortaTone is turned off when connecting or disconnecting a foot pedal, FC4 or FC5 (optional). Otherwise the Sustain ON/OFF status will be reversed.*

## Inserting a Music Stand



### ▼ To Insert a music stand:

Insert the bottom edge of the music stand into the slot located at the top of the PortaTone's control panel.

# The Basics

## Connecting Headphones

ing to the power source you intend to use.

### Switching the Keyboard On and Off

#### ▼ To switch the power on and off:

**Press the POWER switch once to turn the power on.**

To turn the keyboard off, press the POWER switch once again.



### Adjusting the Master Volume

The overall volume is controlled by the MASTER VOLUME control.

#### ▼ To adjust the master volume:

1. Initially turn the MASTER VOLUME control to the half way point.
2. While playing the keyboard adjust it to the desired volume level.



### Inserting Batteries

The PSR-215 can also be powered from six 1.5V D size (SLM-1 or R-20) or equivalent batteries.

### Listening to a Demonstration Song from the Song Book

To give you an idea of the PSR-215's sophisticated capabilities, it comes with 15 internal demonstration songs that you can select and play back.

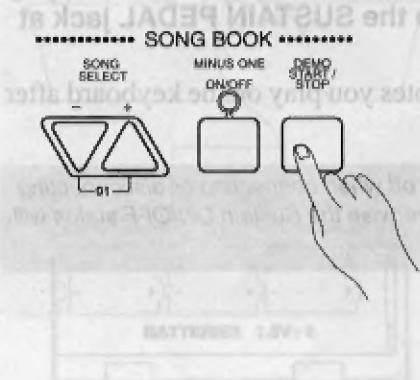
#### ▼ To play back demonstration songs:

1. Press the DEMO START/STOP button.

The demo songs will play back, one after the other, from the selected song number. To jump to the next song or to go back and listen to a previous song you can use the SONG SELECT + or - buttons.

2. To stop playback, press the DEMO START/STOP button again.

See page 16 for more information regarding the Song Book.



beats to tell others about music and to give them a chance to play along. Control panel.

## Connecting a Foot Pedal

## Connecting an Amplifier

## Connecting a Music Stand